

## Redmine - Feature #1237

### Add support for two-factor authentication

2008-05-14 20:28 - Sam McCoy

<b>Status:</b>	Closed	<b>Start date:</b>	2008-05-14
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Accounts / authentication	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.2.0		
<b>Resolution:</b>	Fixed		
<b>Description</b>			
Please add support for a one time password service, such as Yubikey, and add the ability to authenticate against a two-factor authentication system (as in RSA SecurID).			
<b>Related issues:</b>			
Related to Redmine - Feature # 699: OpenID login		<b>Closed</b>	<b>2008-02-20</b>
Related to Redmine - Defect # 33925: ArgumentError in lib/redmine/twofa/base...		<b>Closed</b>	
Related to Redmine - Patch # 33929: Encrypt / decrypt TOTP secret keys with `...		<b>Closed</b>	
Related to Redmine - Defect # 33932: Can't view "My account" page when 2fa is...		<b>Closed</b>	
Related to Redmine - Defect # 34233: otpauth uri should include a login id, n...		<b>Closed</b>	
Related to Redmine - Defect # 34234: Use Setting.host_name instead of Setting...		<b>Closed</b>	
Related to Redmine - Feature # 34241: Include twofa_scheme (two-factor schem...		<b>Closed</b>	
Related to Redmine - Feature # 34495: Don't show "Two-factor authentication" ...		<b>Closed</b>	
Related to Redmine - Defect # 34618: Cannot sign in when both enabling two-fa...		<b>Closed</b>	
Related to Redmine - Feature # 34070: Allow setting a grace period when forci...		<b>New</b>	
Related to Redmine - Patch # 35372: Better presentation for 2FA recovery codes		<b>Closed</b>	
Related to Redmine - Feature # 35001: Disable API authentication with usernam...		<b>New</b>	
Related to Redmine - Feature # 35086: Please consider changing the way how 2F...		<b>Closed</b>	
Related to Redmine - Feature # 35439: Option to require 2FA only for users wi...		<b>New</b>	
Related to Redmine - Feature # 35934: Report showing users and their 2fa status		<b>New</b>	
Blocks Redmine - Feature # 31920: Require 2FA only for certain user groups		<b>Closed</b>	

#### Associated revisions

##### Revision 19988 - 2020-08-29 08:21 - Go MAEDA

Adds two factor authentication support (#1237).

Patch by Felix Schäfer.

##### Revision 19989 - 2020-08-29 08:37 - Go MAEDA

Adds a setting to disable/enable/require 2fa auth (#1237).

Patch by Felix Schäfer.

##### Revision 19990 - 2020-08-29 08:51 - Go MAEDA

Backup codes for 2fa auth (#1237).

Patch by Felix Schäfer.

**Revision 19991 - 2020-08-29 09:07 - Go MAEDA**

Integration test for 2fa auth (#1237).

Patch by Jens Krämer.

**Revision 19992 - 2020-08-29 09:25 - Go MAEDA**

RuboCop: Disable Rails/FilePath and Style/ClassVars in lib/redmine/twofa.rb (#1237).

**Revision 19993 - 2020-08-29 09:30 - Go MAEDA**

Update locales (#1237).

**Revision 19995 - 2020-08-31 10:29 - Go MAEDA**

Fix that Redmine::Twofa::Base raises ArgumentError in development mode (#1237, #33925).

**Revision 19997 - 2020-08-31 23:45 - Go MAEDA**

Fix an error "uninitialized constant Redmine::Twofa::Base" when accessing My account in production mode (#1237, #33932).

**Revision 20005 - 2020-09-05 08:24 - Go MAEDA**

Rake tasks db:encrypt and db:decrypt now supports TOTP secret keys (#1237, #33929).

**Revision 20006 - 2020-09-05 10:34 - Go MAEDA**

Remove mistakenly added database\_cipher\_key from config/configuration.yml.example (#1237, #33929).

**Revision 20307 - 2020-11-09 03:41 - Go MAEDA**

otpauth uri should include a login id, not an email address (#1237, #34233).

**Revision 20308 - 2020-11-09 07:37 - Go MAEDA**

Use Setting.host\_name instead of Setting.app\_title as TOTP issuer to avoid name collision with other instances or apps (#1237, #34234).

**Revision 20691 - 2020-12-25 09:30 - Go MAEDA**

Don't show "Two-factor authentication" on new user form (#1237, #34495).

Fix redirect loop when both enabling two-factor authentication and changing password are required (#1237, #34618).

Patch by Go MAEDA.

## History

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### #1 - 2008-05-15 10:50 - Thomas Lecavelier

Good idea. Since OpenID (#699) should be implemented too, it could be an idea to build a plugin system for authentication, to help introduction of a new authentication systems.

### #2 - 2011-09-13 10:53 - Etienne Massip

- Category set to Accounts / authentication

### #3 - 2014-10-10 22:20 - Nathanael Hansen

+1 for dual-factor authentication support

Thanks!

### #4 - 2015-03-18 12:25 - Blagoy Chepelov

+1 for two factory auth, YubiKey for instance it is open source and well documented

### #5 - 2015-08-27 14:43 - Ouss Orange

+1 for Two Factory Authentication support

### #6 - 2016-01-12 12:48 - eric c

+1 for Two Factory Authentication, maybe using the one-time-password with the Google Authenticator App

### #7 - 2016-04-29 21:53 - Stephen Yeargin

This page (<http://developers-club.com/posts/168063/>) describes a potential method of using a low-level service to achieve this. It looks fairly complicated to set up, but it may help somebody. Would love to hear if it works.

### #8 - 2017-01-20 18:55 - Fabián Rodríguez

There is a plugin for 2FA including support for SMS, Telegram and authenticator apps:

[http://www.redmine.org/plugins/redmine\\_2fa](http://www.redmine.org/plugins/redmine_2fa)

### #9 - 2018-01-02 18:42 - Felix Schäfer

- File 0001-2-factor-authentication-using-TOTP.patch added

- File *0002-2-factor-authentication-disabled-enabled-required.patch* added
- File *0003-Backup-codes-for-2-factor-authentication.patch* added

Please find attached a proposed 2-factor authentication implementation for Redmine. The core logic for the TOTP scheme is implemented using the [rotpp gem](#).

The first of the 3 attached patches is an extendable implementation of 2-factor authentication including a default [TOTP](#) scheme. The second patch adds an option to require, optionally enable or disable 2-factor authentication for all users. The third patch adds support for creating and using backup codes.

The feature is implemented so that new 2-factor authentication schemes other than TOTP can easily be added, for example in a plugin. All scheme-specific localisation strings have a `__#{scheme}__` identifier, generally this is easier to do with namespaces, i.e. `twofa.#{scheme}.some_string` instead of `twofa__#{scheme}__some_string`, but the current Redmine tooling only supports top-level localisation keys.

Please furthermore note that the base 2-factor authentication is structured so that it can accommodate computed second factors (TOTP, HOTP, Keyfobs, ...) or sent second factors (sending the code via SMS, telegram, ...). Those sent second factors can contain a link with the code as query parameter so that the user can click on the link instead of copying the code into the text field in Redmine, which is why all actions that accept a 2-factor authentication code are also available via the GET verb.

We have rolled out this feature to [Planio](#) a few weeks ago, the customers that use this feature have been happy with it so far.

Last but not least, we have created a plugin implementing a [2-factor email scheme](#) to demonstrate how additional schemes can be implemented, and how a scheme sending the one-time-password instead of using a generated one can work with the patches proposed above. Please note that this plugin is only for demonstration purposes and should probably not be used in production, refer to the "Security considerations" section of the README for more details.

**#10 - 2018-01-02 18:45 - Jan from Planio [www.plan.io](#)**

- Target version set to Candidate for next major release

**#11 - 2018-01-02 18:46 - Jan from Planio [www.plan.io](#)**

- Tracker changed from Feature to Patch

- Status changed from New to Needs feedback

**#12 - 2018-01-04 07:45 - Go MAEDA**

- File *2fa-setting@2x.png* added

- File *2fa-my-account@2x.png* added

- File *2fa-enabling@2x.png* added

- File *2fa-enter-auth-code@2x.png* added

Thank Felix and Planio for sharing the patch. I think this is an outstanding enhancement because 2FA is helpful to keep accounts secure and it is a must-have feature for modern cloud-based applications. Many users should welcome this feature.

I tried out the patch. It works very fine.

**2FA is optional by default. Users can choose whether to use 2FA or not:**

*2fa-setting@2x.png*

**Users can enable 2FA on "My account" page:**

*2fa-my-account@2x.png*

**Enabling 2FA:**

2fa-enabling@2x.png

**One time password is required as well as login id and password when you sign in:**

2fa-enter-auth-code@2x.png

**#13 - 2018-01-07 01:33 - Go MAEDA**

- Target version changed from Candidate for next major release to 4.1.0

Setting target version to 4.1.0.

**#14 - 2018-01-22 07:36 - Mayank Ahuja**

What is the release date of 4.1.0. any tentative dates ?

**#15 - 2018-01-28 14:25 - Go MAEDA**

- File *ja-translation-2fa.diff* added

I have translated messages on this patch.

**#16 - 2018-01-29 05:19 - Go MAEDA**

- File *ja-translation-2fa.diff* added

This is an updated Japanese translation. There were 2 untranslated strings in the previous patch.

**#17 - 2018-01-29 05:20 - Go MAEDA**

- File *deleted (ja-translation-2fa.diff)*

**#18 - 2018-03-03 10:33 - Go MAEDA**

Felix, could you add tests for this feature?

**#19 - 2018-04-10 05:43 - Enziin System**

Thanks Felix!

When applying for the admin account, everything is OK.

But if I applying for normal account user, its error.

---

Started POST "/my/twofa/totp/activate/init" for 127.0.0.1 at 2018-04-10 06:15:23 +0000

Processing by TwofaController#activate\_init as HTML

Parameters:

```
{"authenticity_token"=>"Yf7MaaWDeovRvA9loRYE7hyAZs6aWjgvKB1ELuytNPfzuhN0lhwclzWQ+df6llld8ksBuclPKCVepCwo0OsAhA==",
"scheme"=>"totp"}
```

Current user: kevin-nguyen (id=6)

Redirected to <https://www.enziin.com/my/twofa/totp/activate/confirm>

Completed 302 Found in 73ms (ActiveRecord: 12.5ms)

Started GET "/my/twofa/totp/activate/confirm" for 127.0.0.1 at 2018-04-10 06:15:23 +0000

Processing by TwofaController#activate\_confirm as HTML

Parameters: {"scheme"=>"totp"}

Current user: kevin-nguyen (id=6)

Rendered twofa/totp/\_new.html.erb (422.5ms)

Rendered my/\_sidebar.html.erb (14.1ms)

Rendered twofa/activate\_confirm.html.erb within layouts/base (459.4ms)

Completed 500 Internal Server Error in 478ms (ActiveRecord: 10.3ms)

ActionView::Template::Error (No route matches {:action=>"destroy", :controller=>"twofa", :scheme=>"totp"}):

```
4: <%=l(:field_created_on)%>: <%= format_time(@user.created_on) ></p>
```

```
5:
```

```
6: < if @user.own_account_deletable? >
```

```
7: <p><= link_to(l(:button_delete_my_account), {:action => 'destroy'}, :class => 'icon icon-del') ></p>
```

```
8: < end >
```

```
9:
```

```
10: <h4><= l(:label_feeds_access_key) %></h4>
```

app/views/my/\_sidebar.html.erb:7:in `app\_views\_my\_\_sidebar\_html\_erb\_\_\_731617039739943373\_70003011594380'

app/views/twofa/activate\_confirm.html.erb:22:in `block in app\_views\_twofa\_activate\_confirm\_html\_erb\_76021097380460310\_46976643820260'

app/views/twofa/activate\_confirm.html.erb:21:in `app\_views\_twofa\_activate\_confirm\_html\_erb\_76021097380460310\_46976643820260'

lib/redmine/sudo\_mode.rb:63:in `sudo\_mode'

---

I fixed it:

In the "my/\_sidebar.html.erb" by adding :controller=>"my"

```
>
```

```
<p><= link_to(l(:button_delete_my_account), {:action => 'destroy', :controller=>"my"}, :class => 'icon icon-del') ></p>
```

```
end %>
```

#### #20 - 2019-05-28 00:29 - Go MAEDA

- Target version changed from 4.1.0 to 4.2.0

#### #21 - 2019-08-14 13:05 - Felix Schäfer

- File 0001-2-factor-authentication-using-TOTP.patch added

The rotpp gem has changed its API, the attached 0001 patch replaces the original patch and fixes the API changes with rotpp.

#### #22 - 2019-08-14 13:13 - Felix Schäfer

Enziin System wrote:

| But if I applying for normal account user, its error.

I can see what causes the error. The method to create the link the user can use to delete the user's own account expects the my/\_sidebar.html.erb partial to be used only on /my/account or /my/password pages.

I think this should be made more explicit/fixed in Redmine core so that other plugins that may use my/\_sidebar.html.erb do not break either. Maeda-san, do you agree? If yes I can open an issue and propose a patch for my/\_sidebar.html.erb.

**#23 - 2019-08-17 15:47 - Jens Krämer**

- File 0001-adds-two-factor-authentication-support.patch added
- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch added
- File 0003-backup-codes-for-2fa-auth.patch added
- File 0004-adds-integration-test-for-totp-two-factor-auth.patch added

I rebased the patch series on top of current master and added an integration test covering the basic activation / totp and backup code functionality. I also fixed the above problem by making the account deletion link more explicit.

**#24 - 2019-08-17 16:01 - Marius BALTEANU**

Jens Krämer wrote:

| I rebased the patch series on top of current master and added an integration test covering the basic activation / totp and backup code functionality.  
| I also fixed the above problem by making the account deletion link more explicit.

Jens, I think something went wrong because your patches are empty.

**#25 - 2019-08-17 16:05 - Jens Krämer**

- File 0001-adds-two-factor-authentication-support.patch added
- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch added
- File 0003-backup-codes-for-2fa-auth.patch added
- File 0004-adds-integration-test-for-totp-two-factor-auth.patch added

I apologize, uploading files on an ipad is still a problem unfortunately :)

**#26 - 2019-08-17 16:08 - Jens Krämer**

the fifth patch of the series actually adds a new feature on top of this so I created a separate issue for it: #31920

**#27 - 2019-08-18 14:35 - Go MAEDA**

- Blocks Feature #31920: Require 2FA only for certain user groups added

**#28 - 2019-08-20 08:46 - Jens Krämer**

- File 0001-adds-two-factor-authentication-support.patch added

Updated first patch that adds a require statement necessary for the patch to work in production.

**#29 - 2019-09-28 08:46 - Go MAEDA**

- File 0001-adds-two-factor-authentication-support-r18547.patch added
- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch added

I have slightly fixed two of the four patches to apply to the latest trunk, r18547. You can add two-factor authentication by applying the following patches.

- attachment:0001-adds-two-factor-authentication-support-r18547.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch (updated)
- attachment:0003-backup-codes-for-2fa-auth.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth.patch

**#30 - 2019-09-28 10:33 - Go MAEDA**

- Status changed from Needs feedback to New
- Assignee set to Jean-Philippe Lang
- Target version changed from 4.2.0 to 4.1.0

Two-factor authentication is becoming a must-have feature nowadays. Thanks to Planio, now there is a complete and ready-to-commit patch with test code.

I think it is the time to commit the patch. Setting the target version to 4.1.0.

**#31 - 2019-09-28 12:19 - Marius BALTEANU**

Go MAEDA wrote:

*Two-factor authentication is becoming a must-have feature nowadays. Thanks to Planio, now there is a complete and ready-to-commit patch with test code.*

*I think it is the time to commit the patch. Setting the target version to 4.1.0.*

Totally agree with you regarding the need for this feature.

Regarding the patches, I've just tested the entire work and it looks very good to me. All the tests pass on MySQL 5.7 and Postgres 10.9 (<https://gitlab.com/redmine-org/redmine/pipelines/85148957>).

I've found only some minor things:

**Code related:**

1. The db migration version should be 5.2 in the migration files. Also, the filenames should be updated to the current date before committing.

```
Marius-MacBook-Pro:redmine mariusbalteanu$ git diff
```

```
diff --git a/db/migrate/20170711134351_add_twofa_scheme_to_user.rb b/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
index ac3f49717..ea0b48fc8 100644
```

```
--- a/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
```

```
+++ b/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
```

```
@@ -1,4 +1,4 @@
```

```
-class AddTwofaSchemeToUser < ActiveRecord::Migration[4.2]
```

```
+class AddTwofaSchemeToUser < ActiveRecord::Migration[5.2]
```





^

test/integration/twofa\_test.rb:124:1: C: Layout/EmptyLinesAroundBlockBody: Extra empty line detected at block body end.

3. Redmine copywriting "# Redmine - project management software etc" is missing from the files added by these patches.

**Functional:**

4. Users should not be allowed to disable 2FA authentication when the "Two-factor authentication" is set to "required" in administration. Currently, the user can disable it, but at the next login, he is be prompted again to configure 2FA. I propose to not allow users to disable 2FA authentication from the beginning.

**#32 - 2019-10-04 13:00 - Marius BALTEANU**

- Assignee changed from Jean-Philippe Lang to Go MAEDA

- Target version changed from 4.1.0 to 4.2.0

Please reassign this to version:"4.1.0" after the above issues are fixed.

**#33 - 2019-10-05 11:08 - Go MAEDA**

- File 0001-adds-two-factor-authentication-support-r18593.patch added

- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch added

- File 0003-backup-codes-for-2fa-auth-r18593.patch added

- File 0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch added

- Subject changed from Add support for one time passwords or two-factor authentication to Add support for two-factor authentication

- Target version changed from 4.2.0 to 4.1.0

Marius, thank you for reviewing the patch series. Here are patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18593.patch
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

Marius BALTEANU wrote:

- 1. The db migration version should be 5.2 in the migration files. Also, the filenames should be updated to the current date before committing.

Applied the patch you posted in #1237#note-31. But the filenames are not changed yet.

- 2. The following new Rubocop warnings are introduced:

All RuboCop warnings are fixed.

- 3. Redmine copywriting "# Redmine - project management software etc" is missing from the files added by these patches.

Done.

4. Users should not be allowed to disable 2FA authentication when the "Two-factor authentication" is set to "required" in administration. Currently, the user can disable it, but at the next login, he is prompted again to configure 2FA. I propose to not allow users to disable 2FA authentication from the beginning.

I think the behavior should be kept. It is necessary to allow users to discard the current 2FA config and set up a new config by themselves.

Assume that a user lost their authentication device but they have backup codes, and they want to set up a new authentication device. They can discard the 2FA config for the lost device and configure 2FA for the new device without the help of admins by the following steps:

1. Login with id, password, and a backup code
2. Go to "My account" and Disable 2FA (another backup code is required)
3. Logout
4. Login with id and password. Redmine requires the user to configure 2FA
5. Configure 2FA for the new device

#### #34 - 2019-10-09 08:09 - Marius BALTEANU

Thanks for updating the patches, I can confirm that all code related issues have been fixed.

One more thing, it seems (at least on my environment) that the patches doesn't apply cleanly anymore:

```
mariusbalteanu@Mariuss-MacBook-Pro redmine % curl
http://www.redmine.org/attachments/download/24068/0001-adds-two-factor-authentication-support-r18593.patch | patch -p1
% Total % Received % Xferd Average Speed Time Time Time Current
      Dload Upload Total Spent Left Speed
100 32734 0 32734 0 0 138k 0 --:--:-- --:--:-- --:--:-- 138k
patching file Gemfile
Hunk #1 succeeded at 21 (offset 3 lines).
patching file app/controllers/account_controller.rb
patching file app/controllers/twofa_controller.rb
patching file app/models/user.rb
patching file app/views/account/twofa_confirm.html.erb
patching file app/views/my/_sidebar.html.erb
patching file app/views/my/account.html.erb
patching file app/views/twofa/activate_confirm.html.erb
patching file app/views/twofa/deactivate_confirm.html.erb
patching file app/views/twofa/totp/_new.html.erb
patching file app/views/users/_form.html.erb
patching file config/locales/de.yml
Hunk #2 FAILED at 1299.
1 out of 2 hunks FAILED -- saving rejects to file config/locales/de.yml.rej
patching file config/locales/en.yml
Hunk #1 succeeded at 1101 (offset 1 line).
Hunk #2 succeeded at 1281 (offset 1 line).
patching file config/routes.rb
patching file db/migrate/20170711134351_add_twofa_scheme_to_user.rb
patching file db/migrate/20170711134352_add_totp_to_user.rb
patching file lib/redmine.rb
patching file lib/redmine/twofa.rb
patching file lib/redmine/twofa/base.rb
patching file lib/redmine/twofa/totp.rb
```

patching file public/stylesheets/application.css  
patching file public/stylesheets/responsive.css

Can you check, please? I think it is because of r18596.

**#35 - 2019-10-09 16:55 - Go MAEDA**

- File 0001-adds-two-factor-authentication-support-r18640.patch added
- Assignee changed from Go MAEDA to Jean-Philippe Lang

Marius, thank you for reviewing the patch series. I have updated one of the four patches.

Patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18640.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

**#36 - 2019-10-24 10:32 - Go MAEDA**

- File deleted (0001-adds-two-factor-authentication-support-r18640.patch)

**#37 - 2019-10-24 10:32 - Go MAEDA**

- File deleted (0001-adds-two-factor-authentication-support-r18593.patch)

**#38 - 2019-10-24 10:32 - Go MAEDA**

- File deleted (0001-adds-two-factor-authentication-support-r18547.patch)

**#39 - 2019-10-24 10:33 - Go MAEDA**

- File deleted (0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch)

**#40 - 2019-10-24 10:36 - Go MAEDA**

- File 0001-adds-two-factor-authentication-support-r18859.patch added

Updated the patch for the current trunk r18859.

Patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18859.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

**#41 - 2019-11-02 08:36 - Jean-Philippe Lang**

- Target version changed from 4.1.0 to 5.0.0

Reassigning this huge change to the next major.

**#42 - 2019-11-02 09:11 - Go MAEDA**

- Target version changed from 5.0.0 to 4.2.0

Jean-Philippe Lang wrote:

| *Reassigning this huge change to the next major.*

I think the next major release is 4.2.0.

**#43 - 2020-08-26 18:30 - Go MAEDA**

- File 0001-Adds-two-factor-authentication-support-1237.patch added
- File 0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch added
- File 0003-Backup-codes-for-2fa-auth-1237.patch added
- File 0004-Integration-test-for-2fa-auth-1237.patch added
- Assignee changed from Jean-Philippe Lang to Go MAEDA

I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.

Here are the final patches to be committed. I will commit the patches in a few days to a week.

- attachment:0001-Adds-two-factor-authentication-support-1237.patch
- attachment:0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch
- attachment:0003-Backup-codes-for-2fa-auth-1237.patch
- attachment:0004-Integration-test-for-2fa-auth-1237.patch

**#44 - 2020-08-26 18:31 - Go MAEDA**

- File deleted (0001-adds-two-factor-authentication-support-r18859.patch)

**#45 - 2020-08-26 18:31 - Go MAEDA**

- File deleted (0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch)

**#46 - 2020-08-26 18:31 - Go MAEDA**

- File deleted (0003-backup-codes-for-2fa-auth-r18593.patch)

**#47 - 2020-08-26 18:31 - Go MAEDA**

- File deleted (0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch)

**#48 - 2020-08-26 18:44 - Marius BALTEANU**

Go MAEDA wrote:

| *I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.*

Great news!

**#49 - 2020-08-27 08:35 - Bernhard Rohloff**

Go MAEDA wrote:

| *I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.*

That's so cool! Thank you for your efforts.

**#50 - 2020-08-29 09:31 - Go MAEDA**

- *Tracker changed from Patch to Feature*
- *Status changed from New to Closed*
- *Resolution set to Fixed*

Committed the patches from Planio. Thank you for your great contribution.

**#51 - 2020-08-30 09:24 - Go MAEDA**

- *Related to Defect #33925: ArgumentError in lib/redmine/twofa/base.rb after updating a source file in development mode added*

**#52 - 2020-08-30 16:00 - Go MAEDA**

- *Related to Patch #33929: Encrypt / decrypt TOTP secret keys with `rake db:encrypt` / `rake db:decrypt` added*

**#53 - 2020-08-31 06:31 - Go MAEDA**

- *Related to Defect #33932: Can't view "My account" page when 2fa is setting to optional added*

**#54 - 2020-11-08 08:55 - Go MAEDA**

- *Related to Defect #34233: otpauth uri should include a login id, not an email address added*

**#55 - 2020-11-08 14:14 - Go MAEDA**

- *Related to Defect #34234: Use Setting.host\_name instead of Setting.app\_title as TOTP issuer to avoid name collision with other instances or apps added*

**#56 - 2020-11-10 03:43 - Go MAEDA**

- *Related to Feature #34241: Include twofa\_scheme (two-factor scheme) column when exporting users to CSV added*

**#57 - 2020-12-23 09:57 - Go MAEDA**

- *Related to Feature #34495: Don't show "Two-factor authentication" on new user form added*

**#58 - 2021-01-23 08:13 - Go MAEDA**

- *Related to Defect #34618: Cannot sign in when both enabling two-factor authentication and changing password are required added*

**#59 - 2021-04-19 09:13 - Marius BALTEANU**

- *Related to Feature #34070: Allow setting a grace period when forcing 2FA added*

**#60 - 2021-06-09 11:10 - Marius BALTEANU**

- *Related to Patch #35372: Better presentation for 2FA recovery codes added*

**#61 - 2021-06-22 20:07 - Marius BALTEANU**

- *Related to Feature #35001: Disable API authentication with username and password when two-factor authentication is enabled for the user added*

**#62 - 2021-06-22 23:05 - Marius BALTEANU**

- *Related to Feature #35086: Please consider changing the way how 2FA is set up added*

**#63 - 2021-06-22 23:24 - Marius BALTEANU**

- Related to Feature #35439: Option to require 2FA only for users with administration rights added

**#65 - 2021-11-06 21:30 - Marius BALTEANU**

- Related to Feature #35934: Report showing users and their 2fa status added

**Files**

0002-2-factor-authentication-disabled-enabled-required.patch	13.8 KB	2018-01-02	Felix Schäfer
0001-2-factor-authentication-using-TOTP.patch	30 KB	2018-01-02	Felix Schäfer
0003-Backup-codes-for-2-factor-authentication.patch	18.8 KB	2018-01-02	Felix Schäfer
2fa-setting@2x.png	55.4 KB	2018-01-04	Go MAEDA
2fa-my-account@2x.png	45.5 KB	2018-01-04	Go MAEDA
2fa-enabling@2x.png	26.1 KB	2018-01-04	Go MAEDA
2fa-enter-auth-code@2x.png	15.4 KB	2018-01-04	Go MAEDA
ja-translation-2fa.diff	4.21 KB	2018-01-29	Go MAEDA
0001-2-factor-authentication-using-TOTP.patch	27.6 KB	2019-08-14	Felix Schäfer
0001-adds-two-factor-authentication-support.patch	3.14 KB	2019-08-17	Jens Krämer
0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch	3.15 KB	2019-08-17	Jens Krämer
0003-backup-codes-for-2fa-auth.patch	3.13 KB	2019-08-17	Jens Krämer
0004-adds-integration-test-for-totp-two-factor-auth.patch	3.15 KB	2019-08-17	Jens Krämer
0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch	13.8 KB	2019-08-17	Jens Krämer
0001-adds-two-factor-authentication-support.patch	30.4 KB	2019-08-17	Jens Krämer
0004-adds-integration-test-for-totp-two-factor-auth.patch	4.83 KB	2019-08-17	Jens Krämer
0003-backup-codes-for-2fa-auth.patch	18.9 KB	2019-08-17	Jens Krämer
0001-adds-two-factor-authentication-support.patch	30.8 KB	2019-08-20	Jens Krämer
0001-Adds-two-factor-authentication-support-1237.patch	34.5 KB	2020-08-26	Go MAEDA
0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch	13.9 KB	2020-08-26	Go MAEDA
0003-Backup-codes-for-2fa-auth-1237.patch	20.6 KB	2020-08-26	Go MAEDA
0004-Integration-test-for-2fa-auth-1237.patch	5.74 KB	2020-08-26	Go MAEDA